Natalie Waide 6-Mannon

Testing With pH Paper

Hypothesis: Which of the four compounds is the most acidic and which is the most basic?

I think that the vinegar is the most acidic because it is the lowest number of all of the substances (2); it is closest to the zero on the pH chart.

I also think that Sodium Hydroxide is the most basic because it is the highest number of the four substances (10) and it is closest to the fourteen on the pH scale.

Materials:

1. pH paper
2. pH chart
3. Orange Juice
4. Sodium Bicarbonate
5. Vinegar
6. Sodium Hydroxide

Procedure:

1. Put on safety goggles
2. Take a piece of pH paper and dip in each substance(get a new piece of paper for each substance!).
3. Compare the color on the pH paper to the pH chart. Copy your answers on your paper.
4. Put safety goggles away.

Observations:

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| --- | --- |
| Orange Juice | 5 |
| Sodium Bicarbonate | 9 |
| Vinegar | 2 |
| Sodium Hydroxide | 10 |